

# CENTRAL HRV UNITS



## Sentinel Kinetic Horizontal 200ZPH

A central heat recovery ventilation unit, designed for continuous ventilation of family homes and flats of living area up to 120 sqm.

Kinetic Horizontal 200 ZPH HRV Units are equipped with an integrated digital controller, automatic bypass, humidity sensor and a condensate discharge point. For the most comfortable ventilation, also carbon dioxide sensors, humidistats, PIR sensor and similar can be added.

Horizontal 200 ZPH HRV Units, just 200 mm high, offer many variants for placing inside the rooms to be ventilated. They are especially suitable for installation into a ceiling void, or freely under the ceiling and into roof framing. In order to minimize heat loss and permit installation into unheated rooms, the unit is fully thermally insulated.

Two replaceable air filters of G3 class (fine dust) are integrated in Kinetic Advance units.

Due to the high efficiency of the unit, the heat exchanger could suffer from ice formation under extreme frost. For this reason the unit is equipped with an automatic defrost function. A frozen heat exchanger can be also prevented by installing an air duct heater in the intake air duct – see the chapter Air duct heaters.

A cooler outdoor air can be used to help cool the building via the integrated summer bypass.

**Code: 16709**

### PERFORMANCE MODES

A different ventilation intensity can be programmed for different day times. The unit comes with a digital controller that can be placed inside the dwelling and used for a quick change in ventilation modes depending on the individual needs of the user. The integrated humidity sensor increases speed in proportion in order to ensure optimum relative humidity levels. The integrated timer function in the unit will also ensure sufficient room ventilation with the possibility of relative humidity boost.

### TECHNICAL DATA

#### PERFORMANCE DATA

Max. air flow rate *	168 m <sup>3</sup> /h
Heat recovery efficiency	max. 86 %
Energy Efficiency Class	A
Low air flow	20 % (preset)
Medium air flow	30 % (preset)
High air flow	50 % (preset)
Purge	100 %

\*flow rates for specific installations shall be modified by performance diagrams

#### ACOUSTIC DATA

Sound level (at 3m distance)	20,8 dB(A) for low air flow 27,7 dB(A) for high air flow
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### DIMENSIONS

